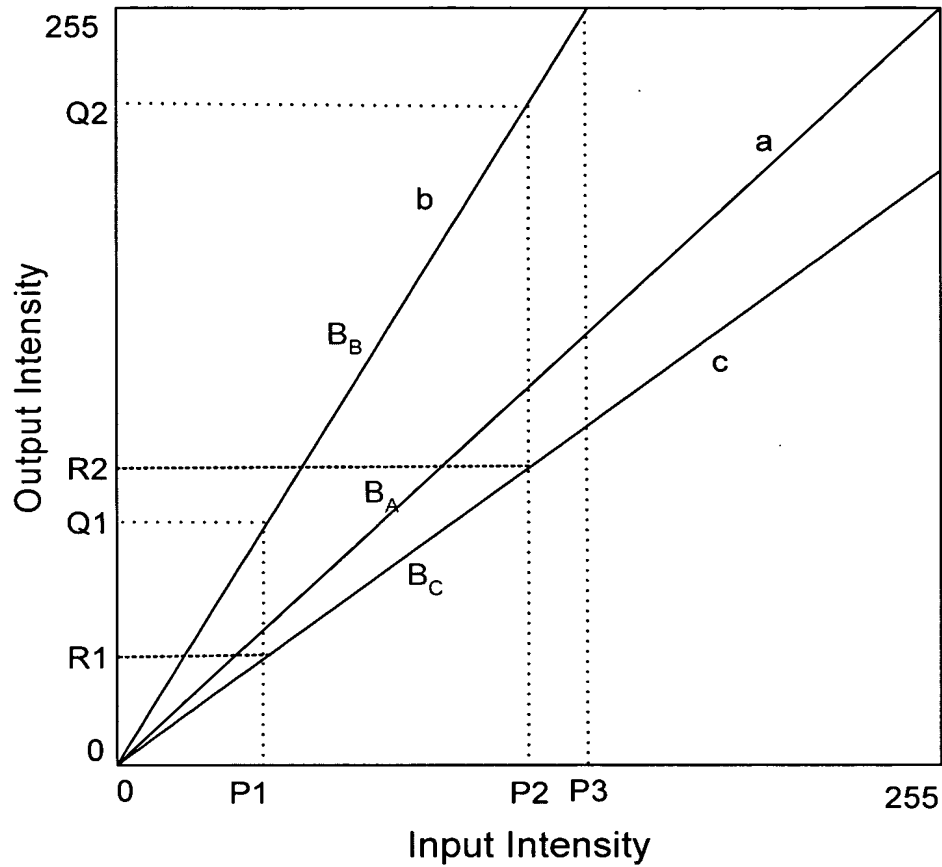


## REPLACEMENT SHEET



- a - No change in output (Avg brightness  $B_A$ )
- b - Increased contrast, Increased brightness (Avg brightness  $B_B$ )
- c - Decreased contrast, Decreased brightness (Avg brightness  $B_C$ )

Figure 1

Standard contrast adjustment

## REPLACEMENT SHEET

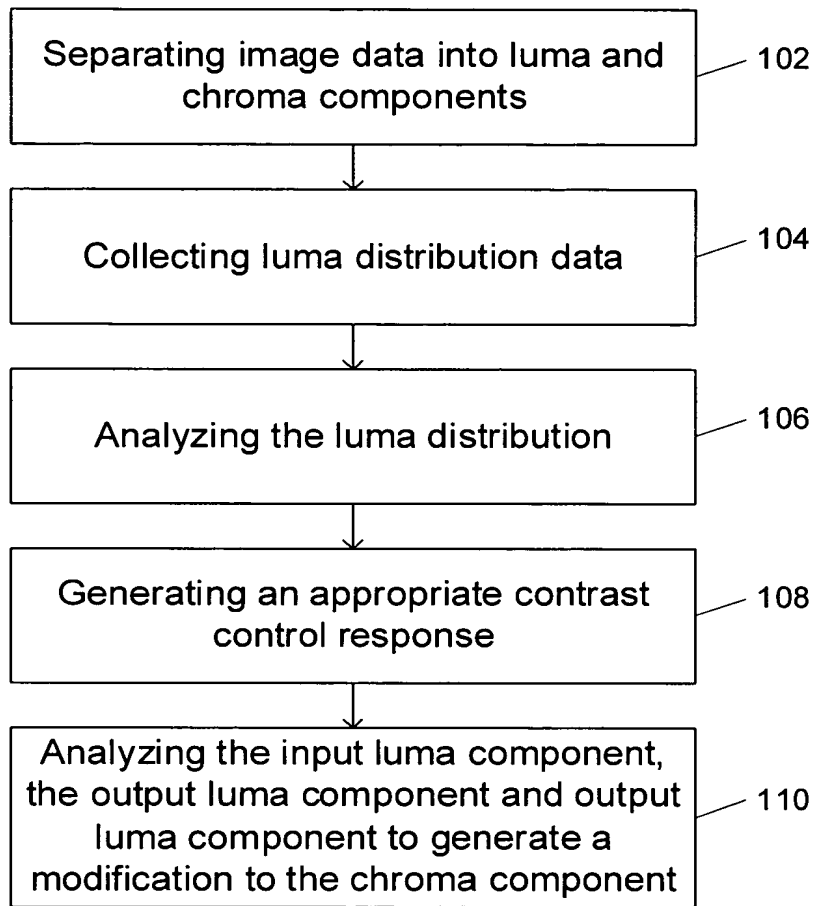


Fig. 2

# REPLACEMENT SHEET

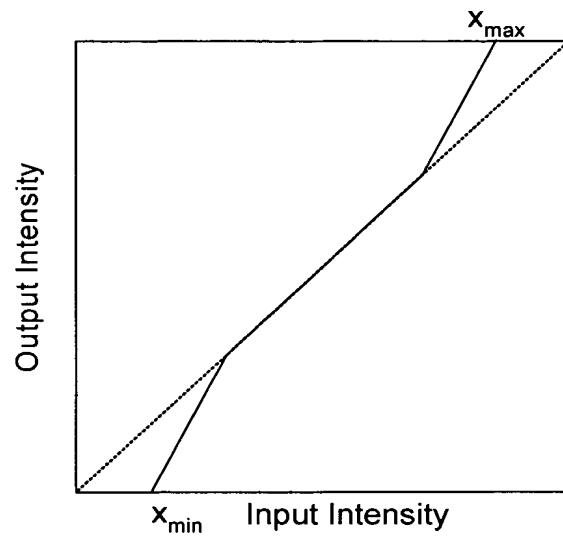


Figure 3

Recovering full luma dynamic range ("Snapping")

# REPLACEMENT SHEET

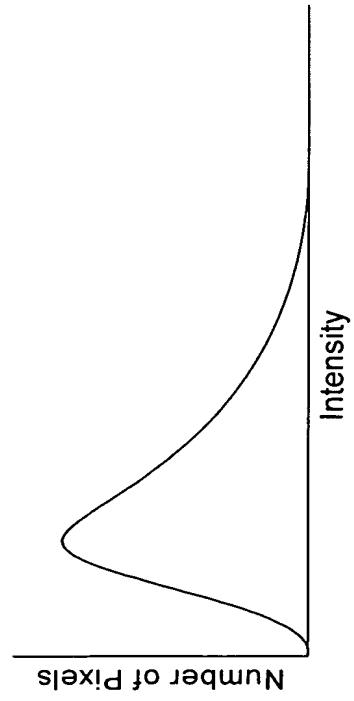
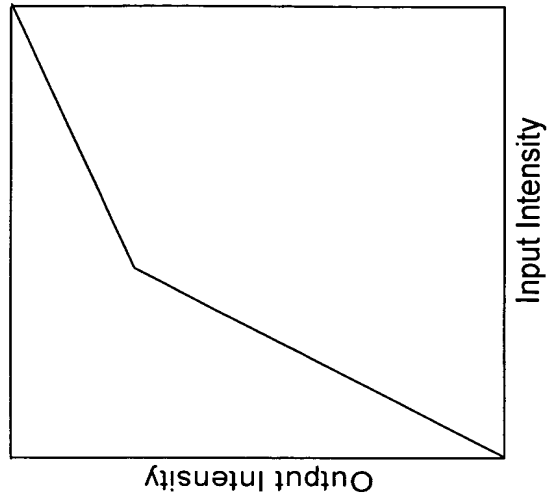


Figure 4

Dark image template transfer function

REPLACEMENT SHEET

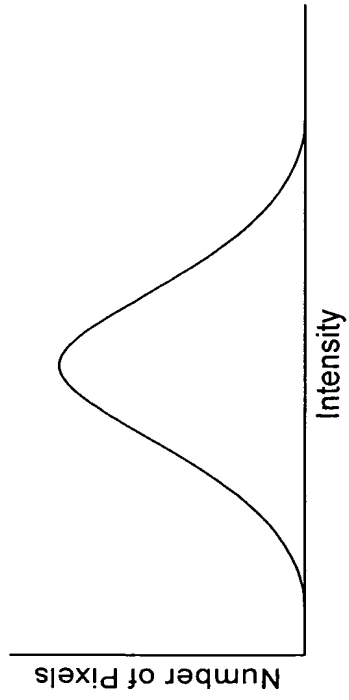
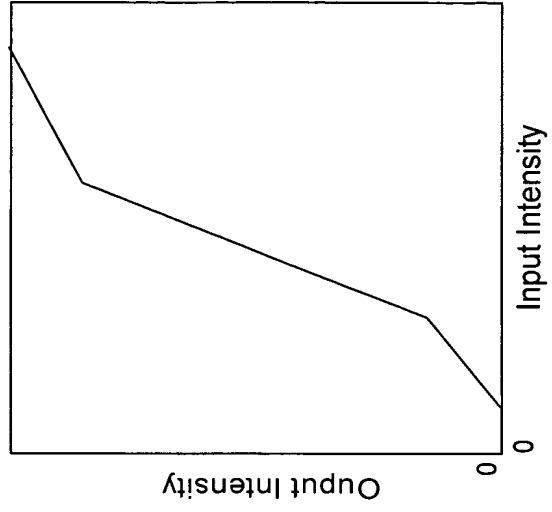


Figure 5

Mid-tone image template transfer function

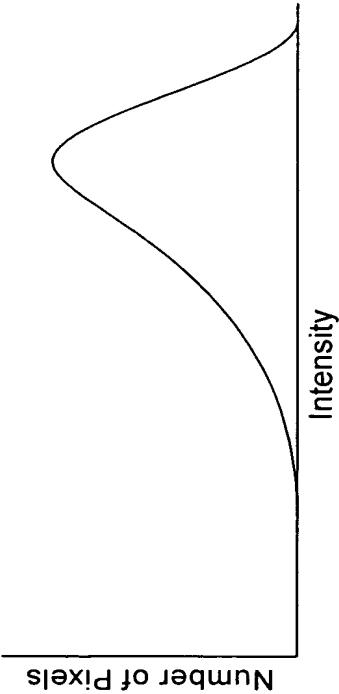
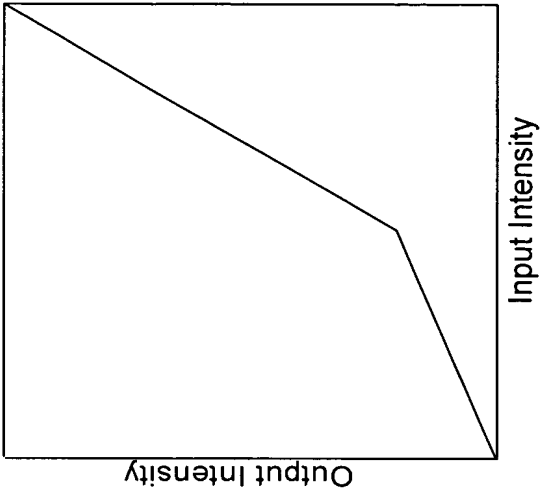


Figure 6

Bright image template transfer function

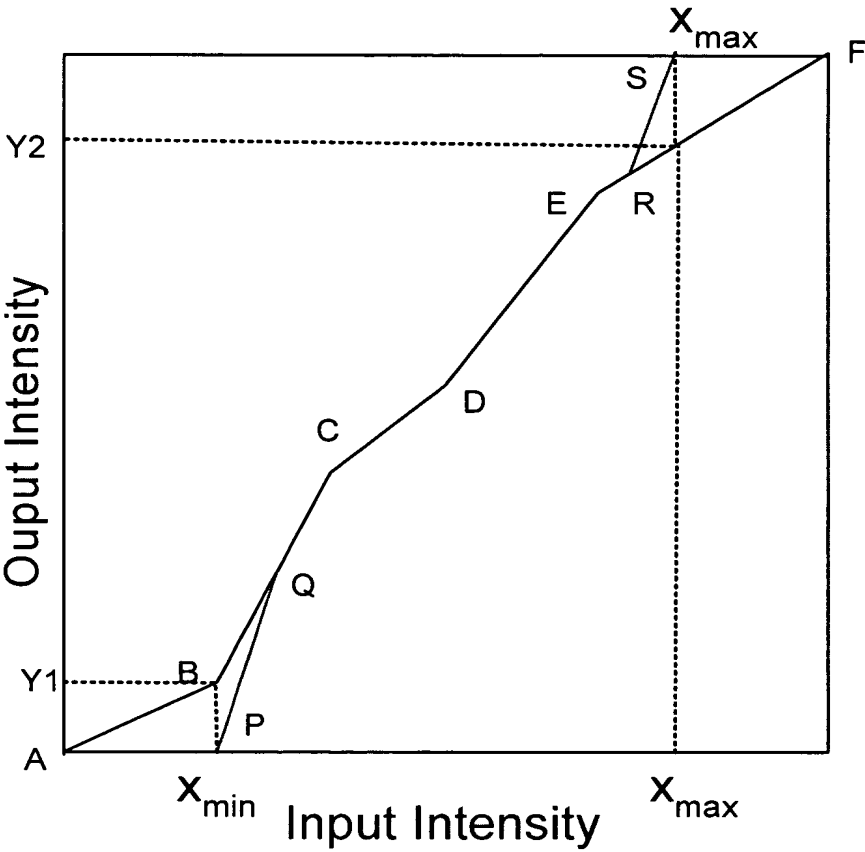


Figure 7

Snapping the blended template transfer functions

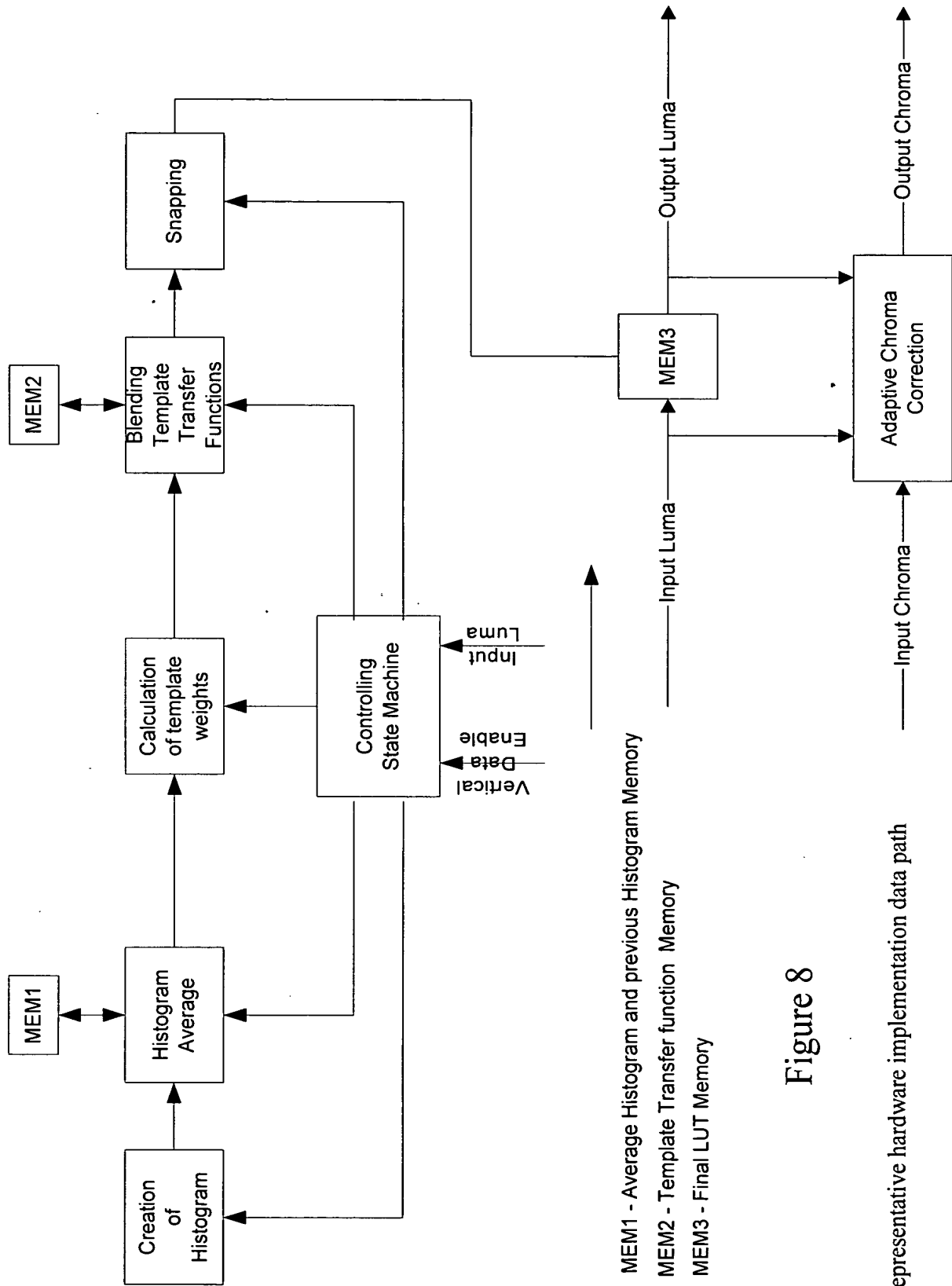


Figure 8

Representative hardware implementation data path